



Connecticut Department of Energy and Environmental Protection



2022 Comprehensive Energy Strategy

Scoping Meeting

Feb. 17, 2022



Agenda & housekeeping

Welcome	9:00	Session is being recorded
Presentation by DEEP	9:05	
Public comments	9:25	
Adjourn	After public comments	

- ✓ Please include your name and affiliation (if any) in your Zoom icon
- ✓ Please turn off your audio and video except when you are speaking
- ✓ To enter the queue to provide verbal comment, use Zoom's *raise hand* feature (full details provided later)
- ✓ Chat has been disabled. Use Q&A feature to ask brief clarifying questions or procedural questions.



Overview

- Context: Statutes and EO 21-3
- Scope and objective
- Relationship to prior CESs
- 5 key lenses
- Drawing upon existing modeling studies
- Information to be requested
- Schedule and web page
- 8 key topics for public comment
- How to provide verbal and written comments



Statutory Context

Section 16a-3d of CGS requires DEEP to prepare a Comprehensive Energy Strategy (CES) every four years to review and develop:

1. an assessment and plan to meet the state's future energy needs
2. energy policies and long-range planning objectives to meet the state's greenhouse gas emissions reduction goals (established in 22a-200a of the General Statutes)
3. the findings of:
 - Integrated Resources Plan (under CGS Section 16a-3a)
 - Conservation and Load Management Plan (under CGS Section 16-245m)
 - clean energy investment plans developed by the Connecticut Green Bank (under CGS Section 16-245n)
 - Energy Assurance Plan, or its successor (developed pursuant to American Recovery and Reinvestment Act of 2009)



Statutory Context (cont'd.)

PA 21-181, An Act Concerning a Low-Carbon Blend of Heating Oil, requires that CES consider:

1. reductions in greenhouse gas (GHG) emissions, on a life-cycle basis, resulting from the use of low-carbon fuel (biodiesel) blends mandated under the act
2. how use of these blends may contribute, on a life-cycle basis, to meeting the GHG reductions mandated under the Global Warming Solutions Act
3. how a *thermal portfolio standard* could contribute to further reductions in GHG emissions reduction on a life-cycle basis
4. the value of life-cycle GHG reductions achieved by low-carbon fuel blends provided by the retail heating oil industry as seen through the lens of DEEP's projection of the availability of renewably generated electricity over the next 5, 10, and 20 years



Executive Order 21-3

Directs DEEP to include in next CES a set of strategies to:

1. provide for more affordable heating and cooling for residents and businesses
2. achieve reductions in greenhouse gas emissions (GHG) from residential and commercial buildings and industrial facilities to enable the state to meet economy-wide GHG reduction targets for 2030 and 2050 established in Global Warming Solutions Act
3. identify strategies to improve resilience of energy systems to extreme weather events, fuel commodity price spikes, and other disruptions



CES proposed scope and objective

Scope: Electricity, heating, cooling, and fuels used for transportation

Objective: Provide recommendations for legislative and administrative actions to aid in achievement of interrelated environmental, economic, security, and reliability goals



Relationship to prior CESs

- Will build on and/or modify findings and recommendations of 2013 and 2018 CESs
- Will consider emerging issues not addressed in prior CESs



5 key lenses

1. **Climate** – Meeting greenhouse gas reduction obligations under Global Warming Solutions Act
2. **Equity** – Energy decisions that produce equitable outcomes
3. **Affordability** – Energy decisions that produce affordable outcomes
4. **Economic development** – Workforce development; economic competitiveness
5. **Resilience** – Grid improvements and load balancing

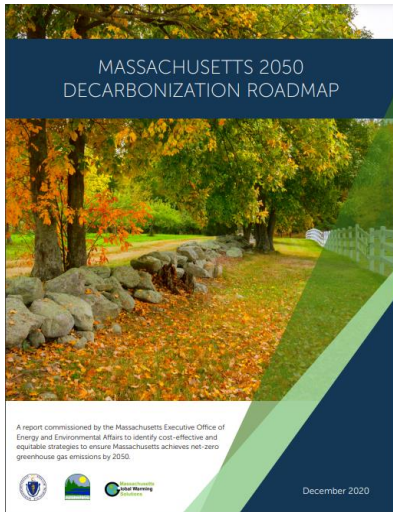


Draw upon existing modeling studies

- Recent major quantitative modeling exercises in other Northeast states and across the country provide a rich, diverse set of insights into buildings-sector energy strategies and pathways that are viable in Connecticut
- DEEP intends to rely on results from such studies where appropriate rather than duplicating those efforts



Examples of modeling studies



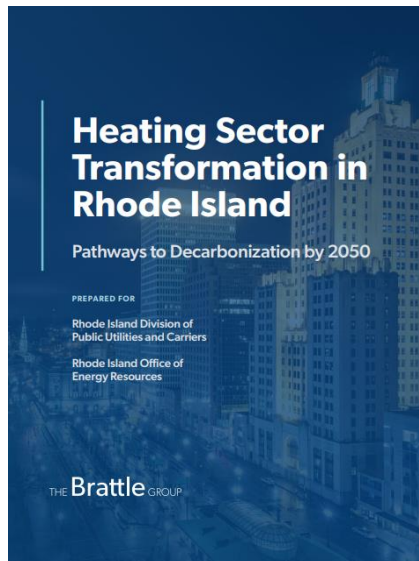
MA 2050 Decarbonization Roadmap

New Efficiency: New York
Analysis of Residential Heat Pump
Potential and Economics
Final Report | Report Number 18-44 | January 2019

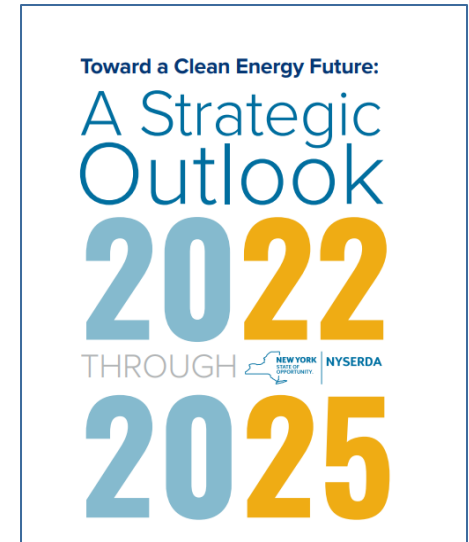


New Efficiency: New York Analysis of Residential Heat Pump Potential and Economics

Heating Sector Transformation in Rhode Island: Pathways to Decarbonization by 2050



Toward a Clean Energy Future: A Strategic Outlook 2022-2025



Information to be requested

- DEEP intends to request specific information from relevant stakeholders (e.g., electricity and natural gas distribution companies)
- Requests and responses will be posted on the [Energy Filings web page](#)



Schedule


- Jan. 6, 2022 – Public notice
- Feb. 17, 2022 – Scoping meeting
- March 3, 2022 – Deadline for written comments on scope
- March/April 2022: DEEP publishes final scope
- DEEP publishes draft CES
- Public hearing, technical meeting, and minimum 60-day comment period
- DEEP publishes final CES



CES web page

Notices and drafts will be available [here](#). (So will these slides and the recording of this meeting.)



 Connecticut
Department of Energy and Environmental Protection

“ ” All customer facing DEEP services have returned to normal business operations. For detailed information on what this means, visit our “New Normal” website: [DEEP New Normal Information](#)

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Comprehensive Energy Strategy (CES)

Under Section 16a-3d of the Connecticut General Statutes, the Department of Energy and Environmental Protection (DEEP) is charged with preparing a Comprehensive Energy Strategy (CES) for the state every four years. The CES examines future energy needs in the state and identifies opportunities to reduce costs for ratepayers, ensure reliable energy availability, and mitigate public health and environmental impacts of Connecticut's energy use, such as greenhouse gas (GHG) emissions and emissions of criteria air pollutants. In addition, Governor Lamont's Executive Order 21-3



8 key topics for public comment

1. DEEP's intention to focus on equitable approaches for decarbonization of buildings and energy resilience
2. DEEP's intention to rely on published quantitative modeling studies (stakeholders are invited to propose studies for agency's consideration)
3. Thermal decarbonization and building energy affordability



8 key topics for public comment (cont'd.)

4. Decarbonization of industrial thermal processes
5. Greenhouse gas accounting for biofuels
6. Resilience and reliability in a decarbonized economy
7. Updates to Electric Vehicle Roadmap
8. Updates to Integrated Resources Plan

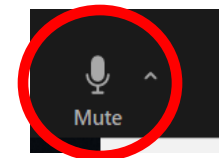
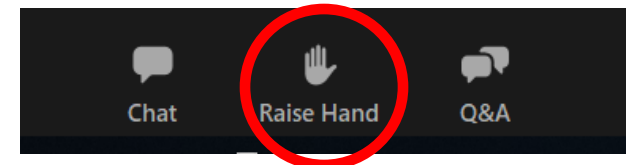
See detailed list of topics in [public notice](#)



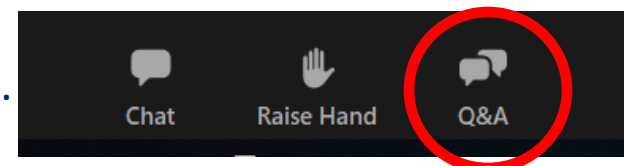
How to provide verbal comments

To enter the queue to provide verbal comment, please:

1. Use the *raise hand button* at the bottom of your screen
2. We will call your name as it is displayed on Zoom, and you will get a notice to unmute yourself
3. Unmute yourself in Zoom (and on your phone if you have called in for audio)
4. Please state and spell your name and affiliation
5. Please keep your comments to three (3) minutes
 - We will provide indicators for 0:30 seconds left and for concluding comments
6. If you have a procedural question, please enter it into the Q&A box. The chat has been disabled for this event.



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How to submit written comments

1. [Energy Filings](#) web page – or –
2. E-mail to DEEP.EnergyBureau@ct.gov

Due March 3, 2022, at 4:00 p.m.

Questions? DEEP.EnergyBureau@ct.gov

